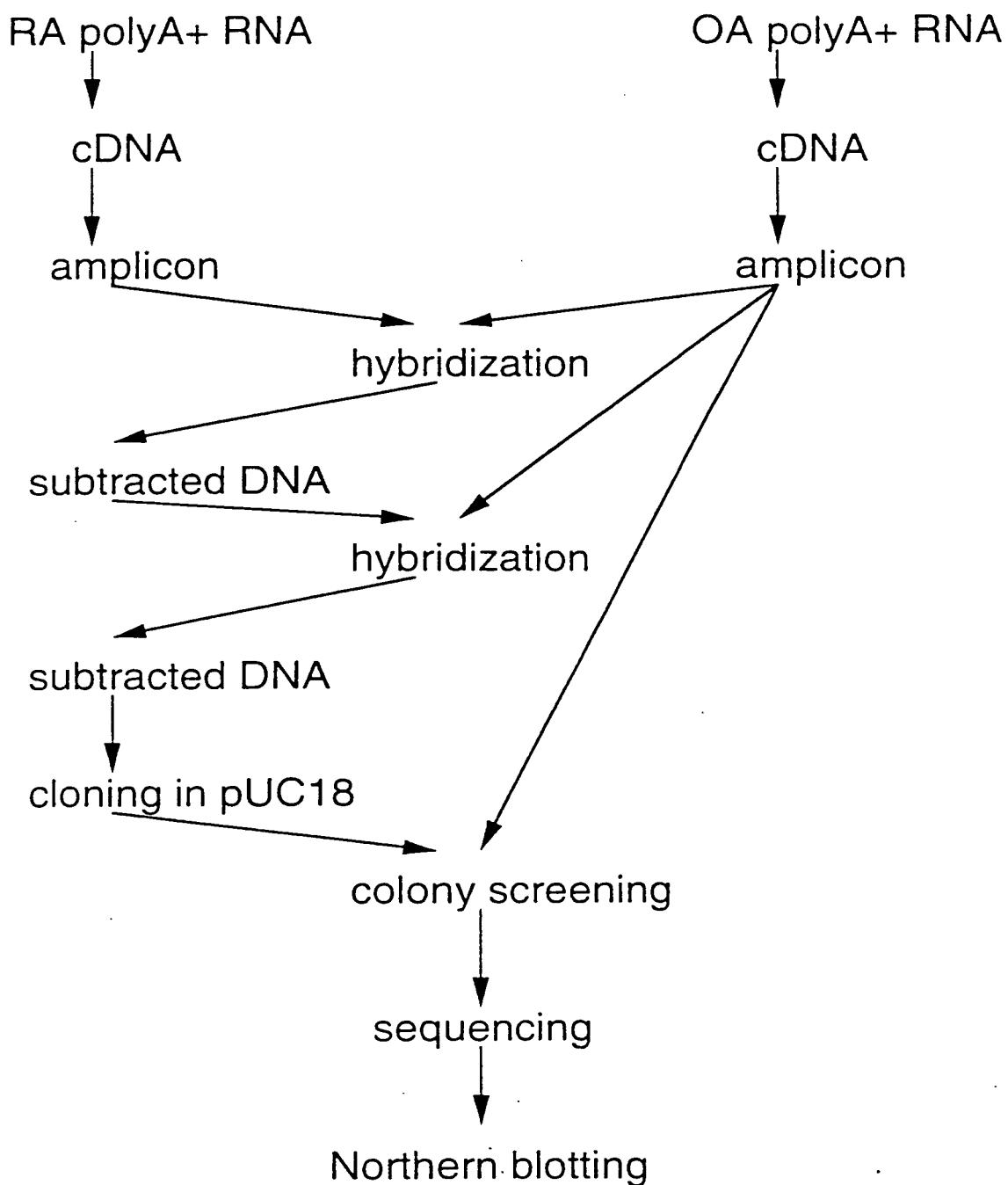


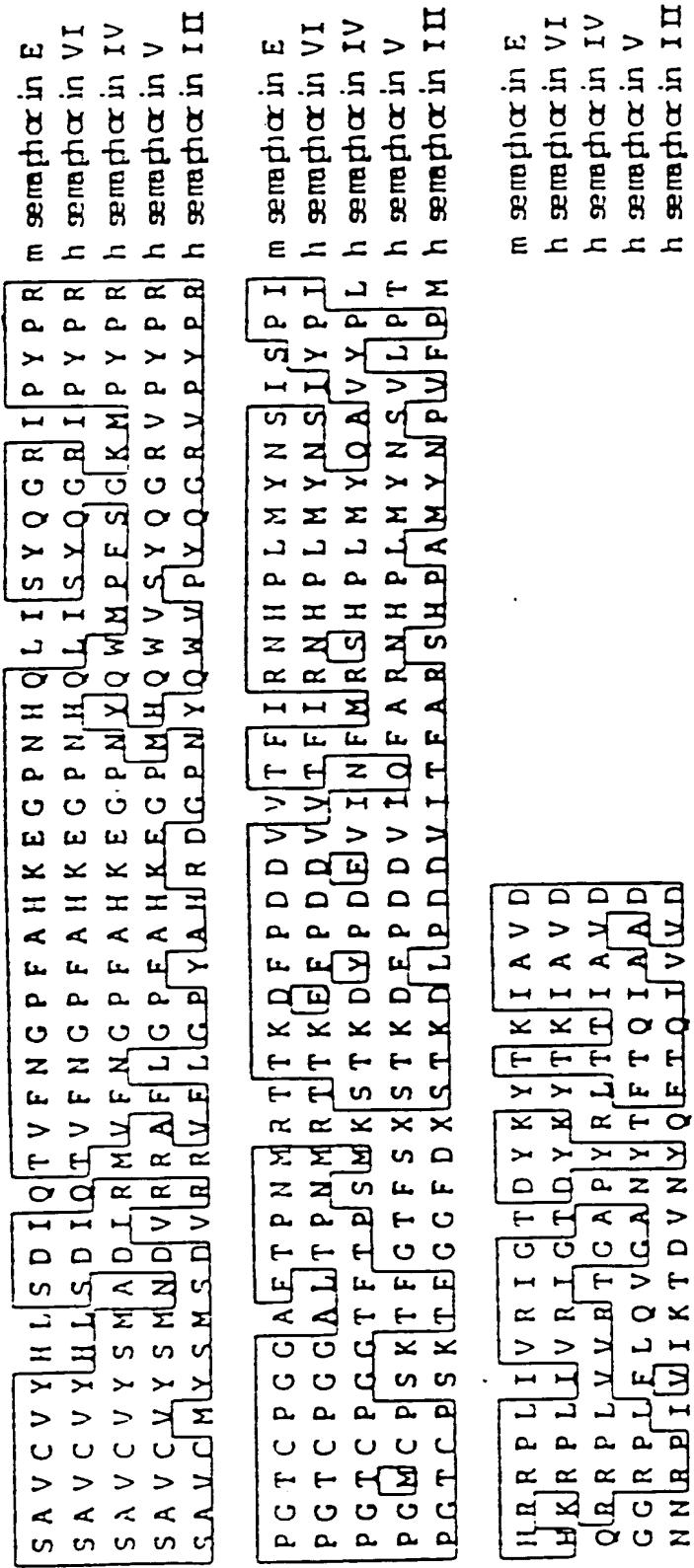
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FIGURE 1



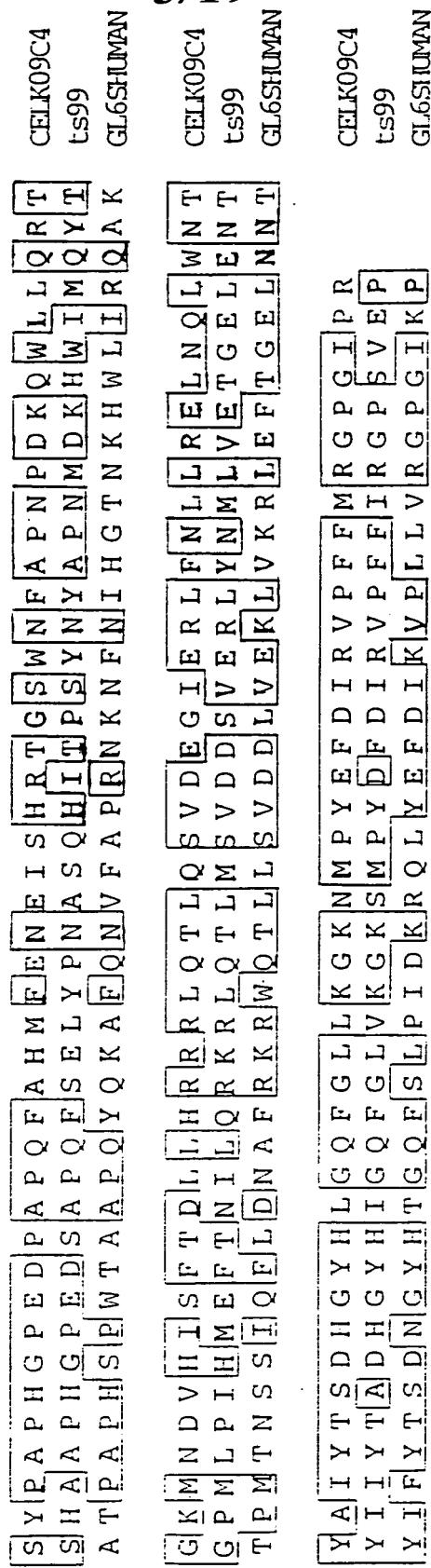
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FIGURE 2



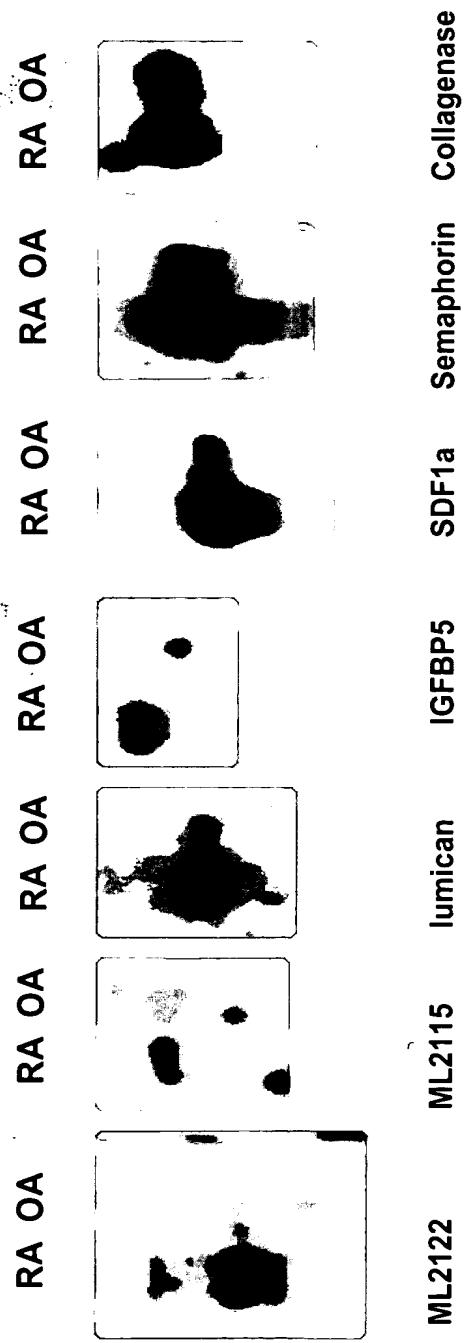
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FIGURE 3

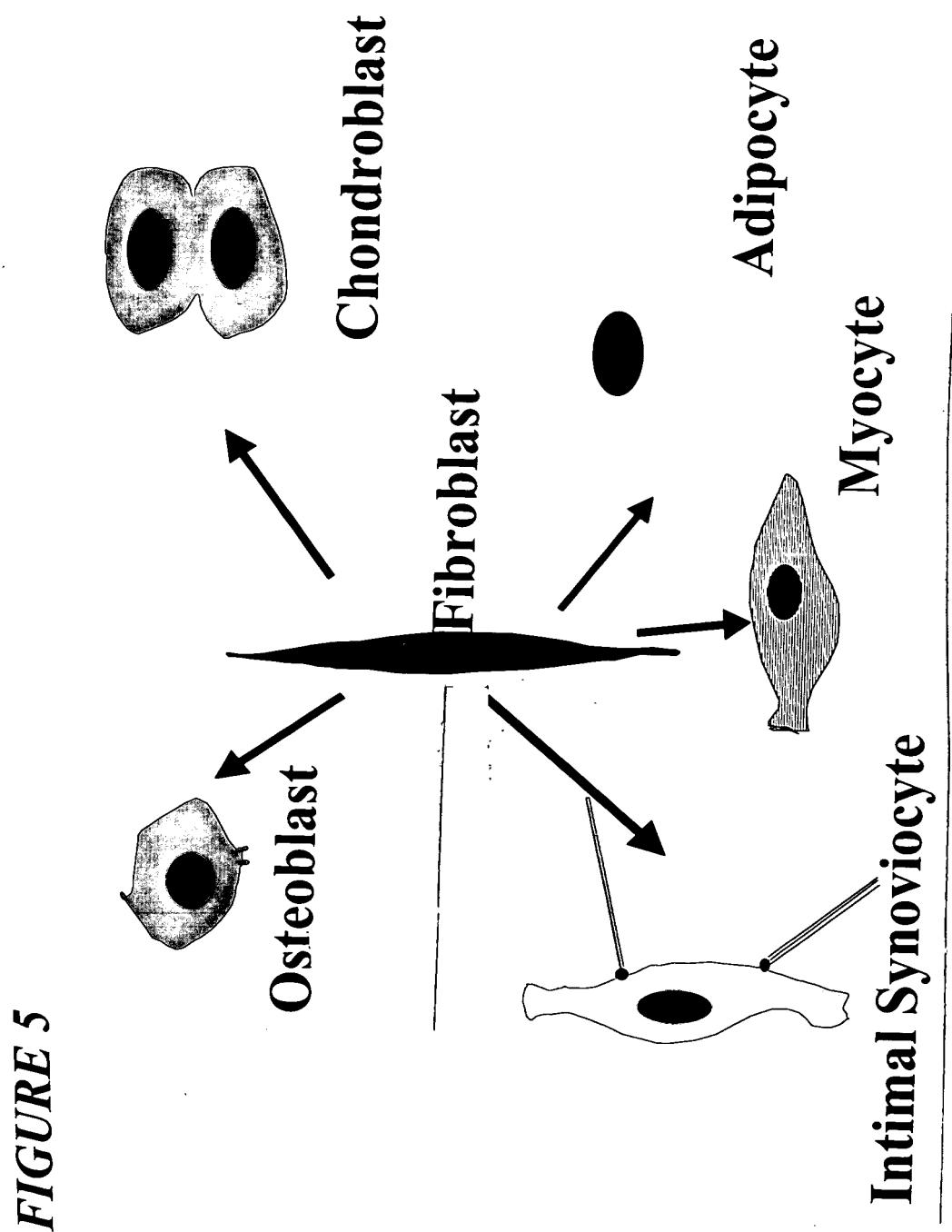


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FIGURE 4

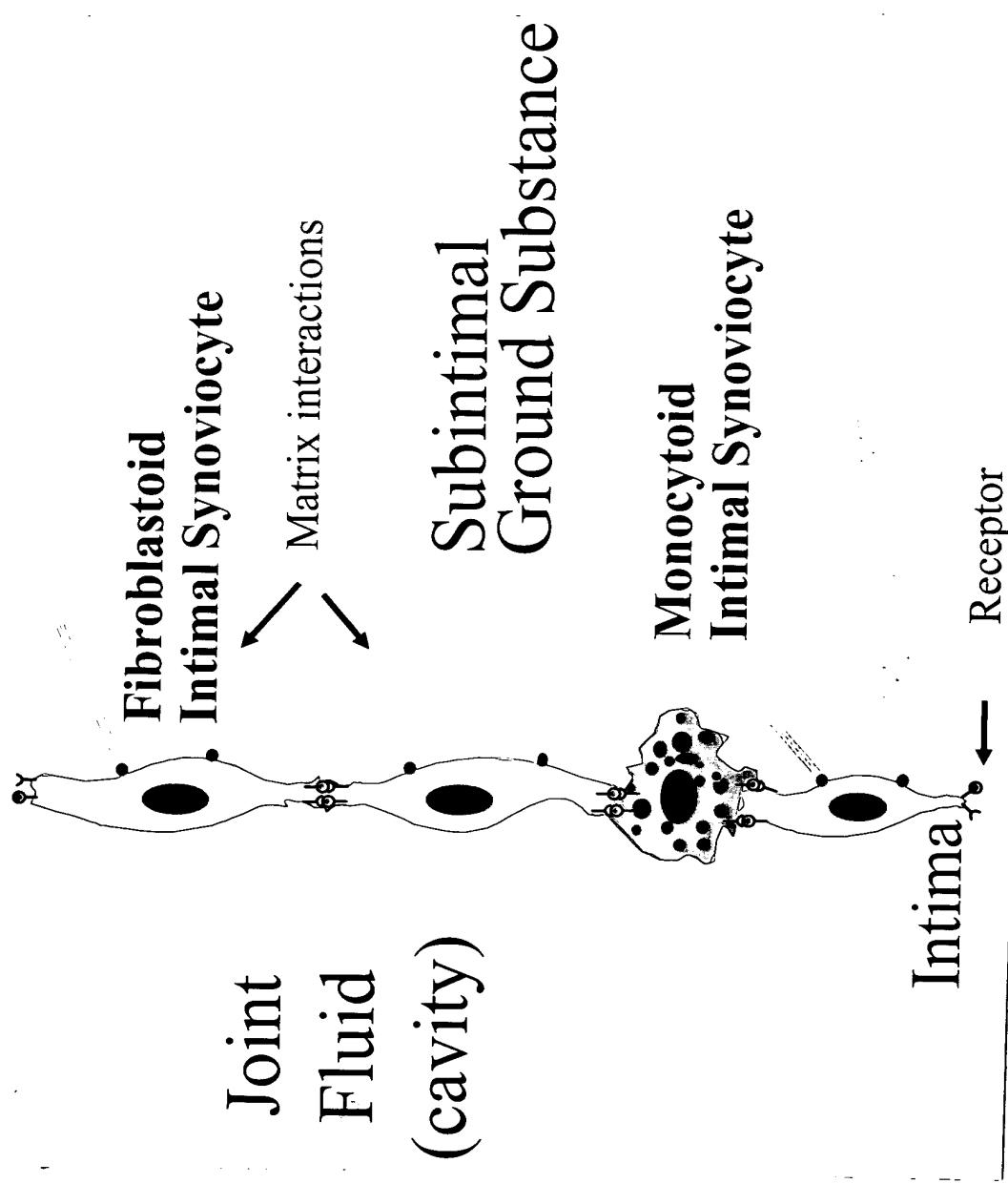


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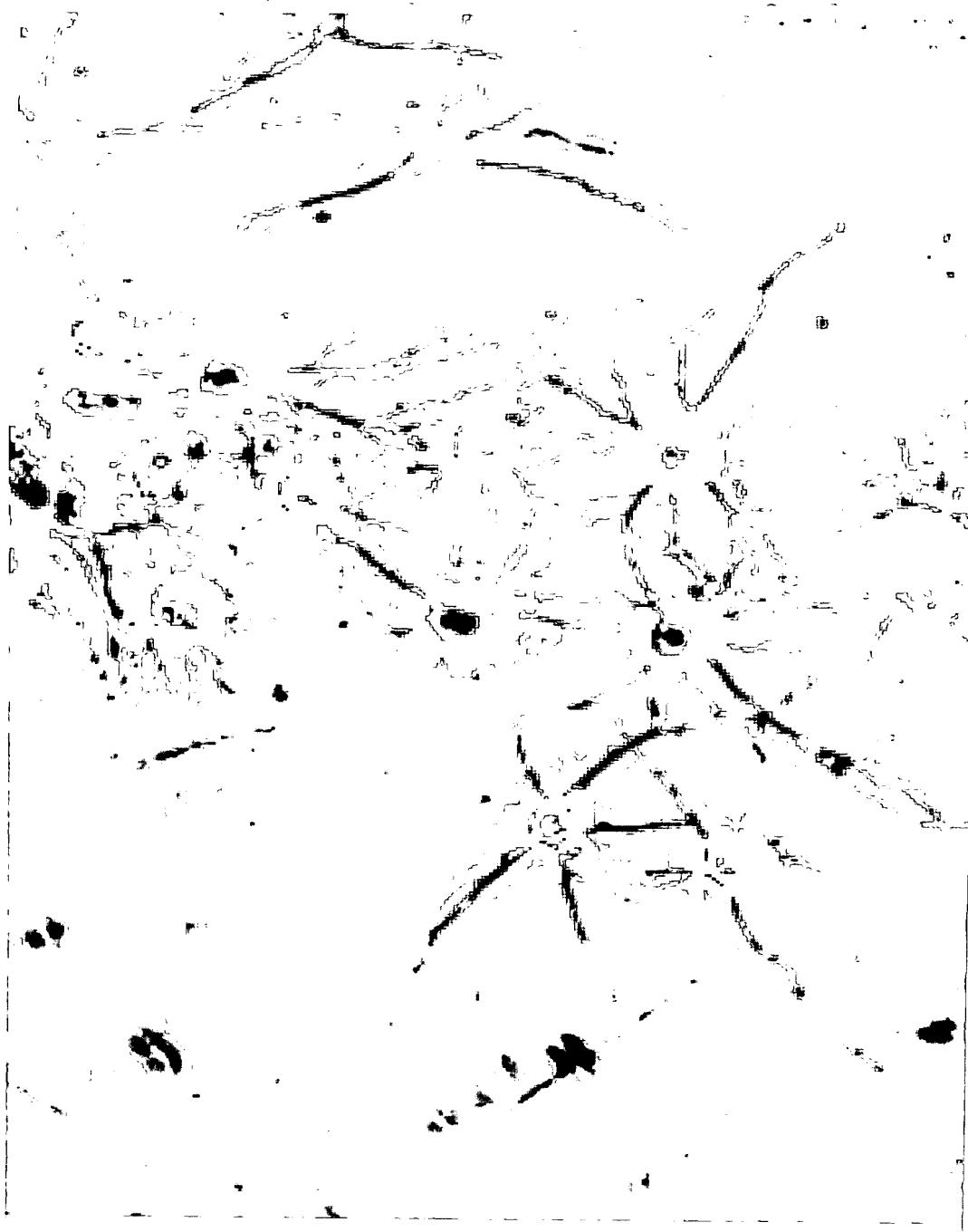
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FIGURE 6



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FIGURE 7



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FIGURE 8

	RA OA	RA OA	RA OA	RA OA	RA OA	RA OA	RA OA	Collagenase
ML2122								SDF1a
IGFBP5								
lumican								
ML2115								
Semaphorin								
								
								
								

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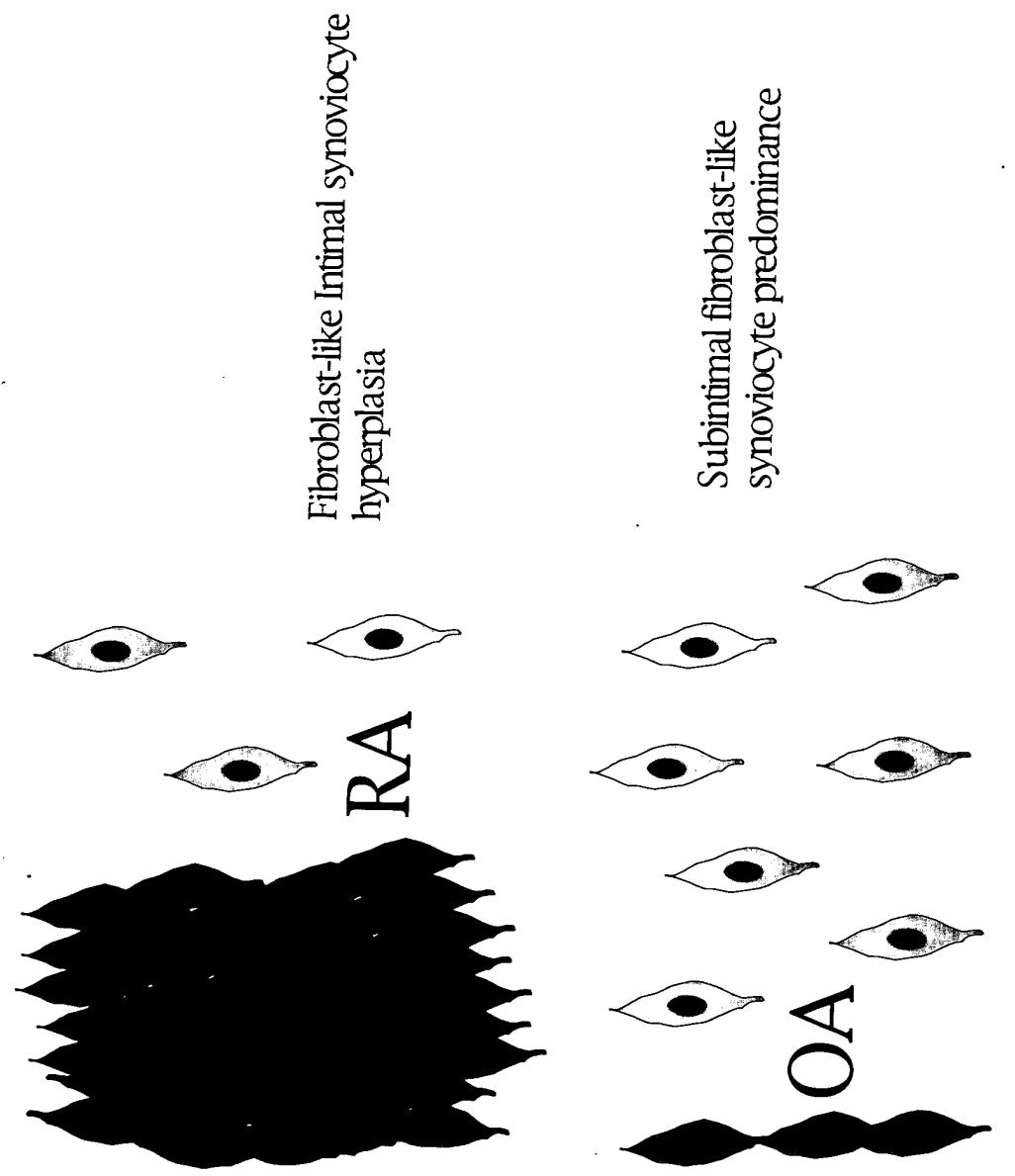
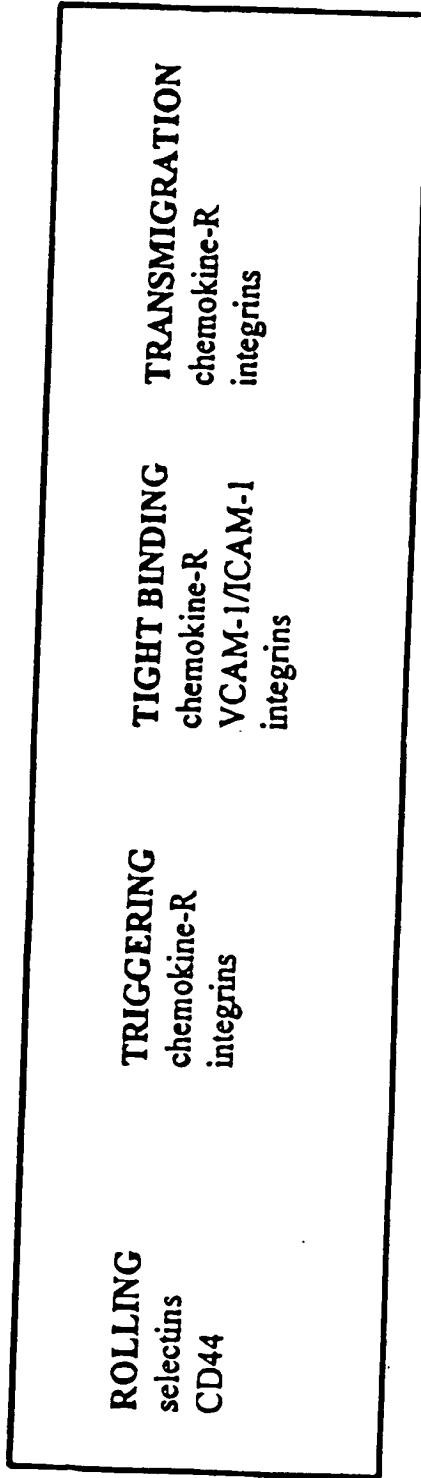


FIGURE 9

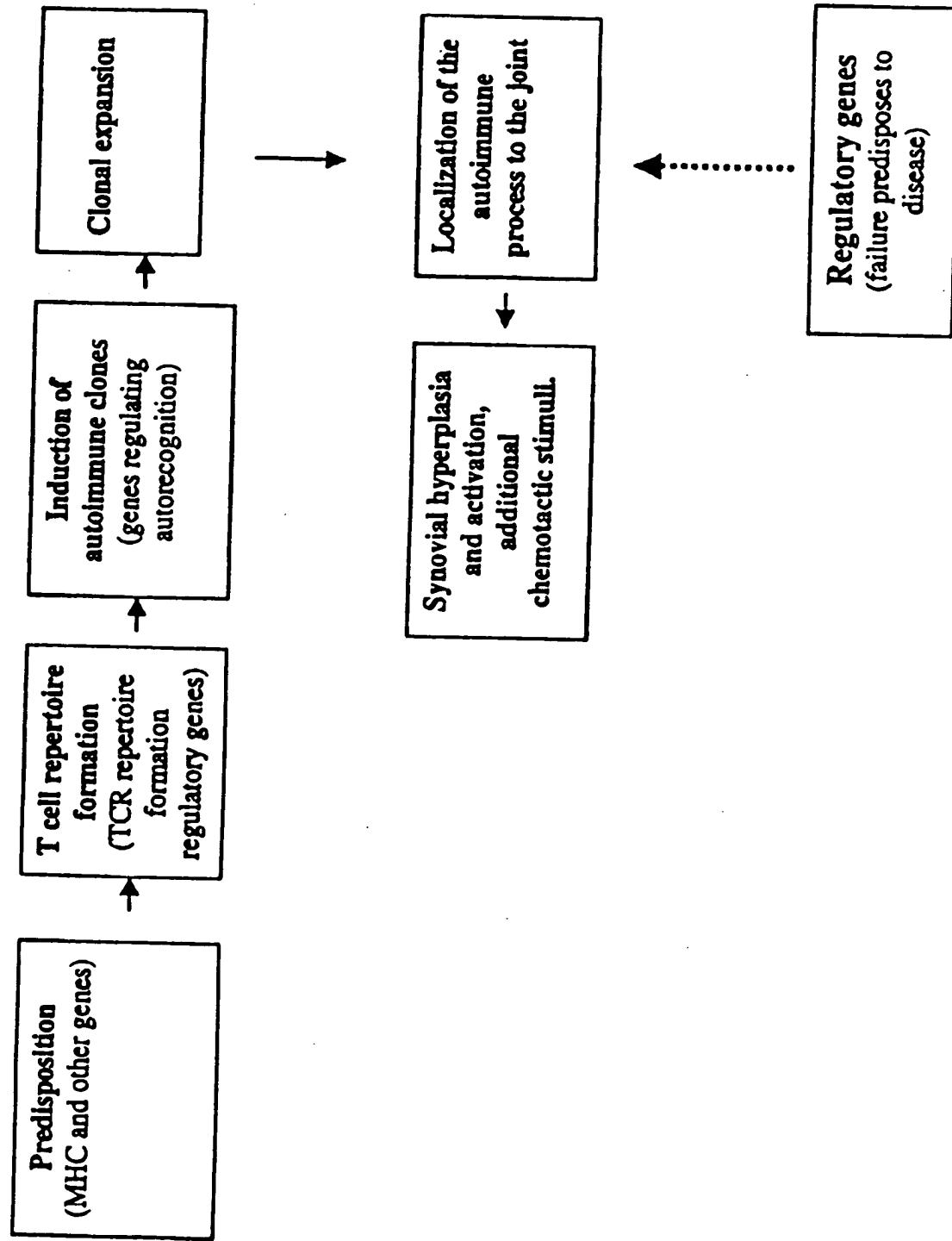
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FIGURE 10



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FIGURE 11



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FIGURE 12-1

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FIGURE 12-2

			250	260	270	280	290	300
New	95-04-12-	25 . Seq (1>484)	<- NAGTGGATNCAGGAGTACC-TGGAGNNAA-CTATGAAACAANTAAAGGCCAACAGGCC-AAAG					
New	95-04-12-	27 . Seq (1>437)	-> A-GTGGATTCAAGGATACC-TGGAG-AAGCTTTAACAAAGTAAGGCCAACAGGCC-AAAA					
New	95-04-12-	01 . Seq (1>382)	-> AAAGTGGATTCAAGGATACC-TGGAGAAAGCTTTAACAAAGTAAGGCCAACAG-CAAAAA					
New	95-03-30-	34 . Seq (1>439)	-> AAAGTGGATTCAAGGATACC-TGGAGTAAGCTTTAACAAAGTAAGGCCAACAG-NCAAAA					
New	95-04-12-	21 . Seq (1>466)	<- AAAGTGGATTCAAGGATACC-TGGAGTAAGCTGGAG-AAAGCTTTAACAAAGTAAGGCCAACAGGCCAAAAA					
			AAGTGGATTCAAGGATACC-TGGAGKAAAGCTTTAACAAAGTAAGGCCAACAGGCCAAAAA	310	320	330	340	350
New	95-04-12-	25 . Seq (1>484)	<- AGGAACATTNCCCGCTAGACCCACTCGAGGAAAACATAAAACCTTGTGAGAGATGAAAGGNCAA					
New	95-04-12-	27 . Seq (1>437)	-> AGGAACATTTCGGCTAGACCCACTAAACCTTGTGAGAGATGAAAGGGCAA					
New	95-04-12-	01 . Seq (1>382)	-> AGGAACATTTCGGCTAGACCCACTCGAGGAAAACATAAAACCTTGTGAGAGATGAAAGGGCAA					
New	95-03-30-	34 . Seq (1>439)	-> AGGAACATTTCGGCTAGACCCACTCGAGGAAAACATAAAACCTTGTGAGAGATGAAAGGGCAA					
New	95-04-12-	21 . Seq (1>466)	<- AGGAACATTTCGGCTAGACCCACTCGAGGAAAACATAAAACCTTGTGAGAGATGAAAGGGCAA					
New	95-04-12-	19 . Seq (1>463)	<- AGGAACATTTCGGCTAGACCCACTCGAGGAAAACATAAAACCTTGTGAGAGATGAAAGGGCAA					
			AGGAACATTTCGGCTAGACCCACTCGAGGAAAACATAAAACCTTGTGAGAGATGAAAGGSCAA	370	380	390	400	410
New	95-04-12-	25 . Seq (1>484)	<- AGACGTTGGGG-AGGGGCCNTAAC-CA-TGAGGACCGAGTGTGTGTGGGG-TGGG-C					
New	95-04-12-	27 . Seq (1>437)	-> AGACGTTGGGGAGGGGGCTTAAC-CA-TGAGGACCGAGTGTGTGTGGGG-TGGG-C					
New	95-04-12-	01 . Seq (1>382)	-> NGACGTTNGGG-AGGGGGCTTAAC-AT-GAGGACCGAGTGTGTGTGGGG-TGGG-C					
New	95-03-30-	34 . Seq (1>439)	-> TGTNTTGTG-AGGGGGCTTAAC-AT-GAGGACCGAGTGTGTGTGGGG-TGGG-C					
New	95-04-12-	21 . Seq (1>466)	<- AGACGTTGGGG-AGGGGGCTTAAC-CA-TGAGGACCGAGTGTGTGTGGGG-TGGG-C					
New	95-04-12-	19 . Seq (1>463)	<- AGACGTTGGGG-AGGGGGCTTAACCCATTGAGGACCGAGTGTGTGTGGGTGGG-C					
			WGACGTTKGKG-AGGGGSCTTAACCAATGAGGACCGAGTGTGTGTGGGTGGG-C	430	440	450	460	470
New	95-04-12-	25 . Seq (1>484)	<- ACATTG-ATCT-GGG-ATCGGGCCTGAGGTGTCAGGCATTAGACCCCTGCATTATAGC					
New	95-04-12-	27 . Seq (1>437)	-> ACATTGCGATCTTN-G-ATCGGGCCTGAGGTGTCAGGCATTAGACCCCTGCATTAT-GN					
New	95-04-12-	01 . Seq (1>382)	-> ACATTGNACTTGGG-ATCGGGCCTGAGGTGTCAGGCATTAGACCCCTGNATTNTGGN					
New	95-03-30-	34 . Seq (1>439)	-> ACATTGNACTTGGG-ATCGGGCCTGAGGTGTCAGGCATTAGACCCCTGNATTNTGGN					

FIGURE 12-3

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		430	440	450	460	470	480
New	95-04-12- 21. Seq(1>466)	<- ACATTG-ATCT-GGG-ATCGGGCCTGAGGTTGCCAGCAATTAGACCCCTGCATTATAGC					
New	95-04-12- 19.Seq(1>463)	<- ACATTG-ATCT-GGG-ATCGGGCCTGAGGTTGCCAGCAATTAGACCCCTGCATTATAGC					
		ACATTGxATCT-GGG-ATCGGGCCTGAGGTTGCCAGCAATTAGACCCCTGSATTATRGC					
		490	500	510	520	530	540
New	95-04-12- 25. Seq(1>484)	<- ATACGGTATGATAATTGGCAG					
New	95-04-12- 27. Seq(1>437)	-> ATACGGGNTGANTNN					
New	95-04-12- 01. Seq(1>382)	-> ATCC					
New	95-03-30- 34. Seq(1>439)	-> ATACGGTATGATAATTGGCAGCTTATTCATGCC-TGTACCTGTGCACGTTGGAC					
New	95-04-12- 21. Seq(1>466)	<- ATACGGTATGATAATTTCATGCC-TGTACCTGTGCACGTTGGAC					
New	95-04-12- 19.Seq(1>463)	<- ATACGGTATGATAATTGGCAGCTTATTCATGCC-TGTACCTGTGCACGTTGGAC					
		ATACGGYATGATAATTGGCAGCTTATTCATGCC-XYGTACCTGTGCACGTTGGAC					
		550	560	570	580	590	600
New	95-03-30- 34. Seq(1>439)	-> TAG					
New	95-04-12- 21. Seq(1>466)	<- TTTTATTACTGGGGTTTCTAAGAAAGAAATTGTATTATCAACAGCATTTC-AACA					
New	95-04-12- 19.Seq(1>463)	<- TTTTATTACTGGGGTTTCTAAGAAAGAAATTGTATTATCAACAGCATTTC-AAG					
		TWTKTTATTACTGGGGTTTCTAAGAAAGAAATTGTATTATCAACAGCATTTCAGCAG					
		610	620	630	640	650	660
New	95-04-12- 19. Seq(1>463)	<- TTAGTTCCTCATGRTCATCACATTCTCATTCATTCTCATTCATTCTCATTCATT					
New	95-04-12- 17.Seq(1>461)	<- GGTCACTTCAGATCTGTTGGCTTGTGGCATCTCCCTGGGAGT					
		TTAGTTCCTCATGRTCATCACATTCTCATTCATTCTCATTCATTCTCATTCATT					
		670	680	690	700	710	720
New	95-04-12- 19. Seq(1>463)	<- GAGTACTTCAGATCTGAATTGGCTTGTGGCATCTCCCTGGGAGT					
New	95-04-12- 17.Seq(1>461)	<- GAGTACNTCAAGATCTGTTGGCTTGTGGCATCTCCCTGGGAGT					
		GAGTACTTCAGATCTGAATTGGCTTGTGGCATCTCCCTGGGAGT					

FIGURE 12-4

New 95-04-12- 19 . Seq(1>463) <-	CTGGGACAGTCAGGTGGCTTAACAGGGAGCTGGAAAGGTCCTTCTTCAGACA	730	740	750	760	770	780
New 95-04-12- 17 . Seq(1>461) <-	CTGGGACAGTCAGGTGGCTTAACAGGGAGCTGGAAAGGTCCTTCTTCAGACA						
New 95-03-30- 09 . Seq(1>445) ->	GGAGCTGGAAAAAGTCCTTCTTCAGACA						
	CTGGCACAGTCAGGTGGCTTAACAGGGAGCTGGAAAGGTCCTTCTTCAGACA	790	800	810	820	830	840
New 95-04-12- 19 . Seq(1>463) <-	CTGAGGCTCCCGCAGCAGGCCCTCCCAAGAGGAAGG	850	860	870	880	890	900
New 95-04-12- 17 . Seq(1>461) <-	CTGAGNCTCCCGCAGCAGGCCCTCCCAAGAGGAAGGCCTCTGGCACATACCG						
New 95-03-30- 09 . Seq(1>445) ->	CTGAGGCTCCCGCAGCAGGCCCTCCCAAGAGGAAGGCCTCTGGCACATACCG						
	CTGAGGCTCCGGCAGCAGGCCCTCCCAAGAGGAAGGCCTCTGGCACATACCG	910	920	930	940	950	960
New 95-04-12- 17 . Seq(1>461) <-	TGGGCTCCATGTAGAACCCACTATTACTGGGACTGTGGCTCAGAGACCCCTCTCCAGCTA	970	980	990	1000	1010	1020
New 95-03-30- 09 . Seq(1>445) ->	TGGGCTCCATGTAGAACCCACTATTACTGGGACTGTGGCTCAGAGACCCCTCTCCAGCTA						
New 95-04-12- 03 . Seq(1>447) ->	CCCAGCTA						
	TGGGCTCCATGTAGAACCCACTATTACTGGGACTGTGGCTCAGAGACCCCTCTCCAGCTA						
New 95-04-12- 17 . Seq(1>461) <-	TTCCCTACTCTCCCCGACTCCGAGGCACTGCTTAATCTGGCTTCATTTCTG						
New 95-03-30- 09 . Seq(1>445) ->	TTCCCTACTCTCCCCGACTCCGAGGCACTGCTTCATTTCTG						
New 95-04-12- 03 . Seq(1>447) ->	TTCCCTACTCTCCCCGACTCCGAGGCACTGCTTCATTTCTG						

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FIGURE 12-5

New 95-04-12- 17 . Seq (1>461) <- TAGCCTGATCAAGGCCGACCAAGCGGGAAAGAGGGTGAATTGCTGGGGTCGTGCC	1030	1040	1050	1060	1070	1080
New 95-03-30- 09 . Seq (1>445) > TAGCCTCTCC-TCCCAGGGCTGCCAC-AGNTC-GGGCCCT-CCTGTGAGATCCG--CTT	1090	1100	1110	1120	1130	1140
New 95-04-12- 03 . Seq (1>447) > TCCCTCTCC-TCCCAGGGCTGCCAC-AGCTC-GGGCCCT-CCTGTGAGATCCG--CTT						
New 95-04-12- 11 . Seq (1>463) <- TCCCTCTCC-TCCCAGGNCCCTTCCACAAGGTCGGGGCT-CCTGTGAGACCCGT-CTT						
New 95-04-12- 07 . Seq (1>453) > TCCCTCTCC-TCCCAGGGCTGCCAC-AGCTC-GGGCCCT-CCTGTGAGATCCG-CTT						
New 95-04-12- 05 . Seq (1>475) > CGACGGNCAGTGCCAAGCTTGCAT						
	TCCCCCTCTCC-TCCCAGGGCTGCCAC-AGCTC-GGGCCCT-CCTGTGAGAHCCGT-CTT					
	1150	1160	1170	1180	1190	1200
New 95-03-30- 09 . Seq (1>445) > TNGG-CTCCCTCAGAATGG-GNTGGCCCC-CTCCCTGGGGATGTTAATGGTCCCCC-TGCT						
New 95-04-12- 03 . Seq (1>447) > T-GGCCCTCTCCAGAATGGAGCTGGCCCTCTGGGGATCTGTAAATGGTCCCCC-TGCT						
New 95-04-12- 11 . Seq (1>463) <- T-GCCCTCTCCAGAATGGAGCTGGCCCTCTGGGGATCTGTAAATGGTCCCCCTGCT						
New 95-04-12- 07 . Seq (1>453) > T-GCCCTCTCCAGAATGGAGCTGGCCCTCTGGGGATCTGTAAATGGTCCCC-TGCT						
New 95-04-12- 05 . Seq (1>475) > ---GCCCTCTCCAGAATGGAGCTGGCCCTCTGGGGATCTGTAAATGGTCCCC-TGCT						
	T-GCCCTCTCCAGAATGGAGCTGGCCCTCTGGGGATCTGTAAATGGTCCCC-TGCT					
	1210	1220	1230	1240	1250	1260
New 95-03-30- 09 . Seq (1>445) > TAG						
New 95-04-12- 03 . Seq (1>447) > TACCCGC-AAAAGACAAGTCTTACAGAATCAAATGCAATTAACTGAGAGCTCGCT						
New 95-04-12- 11 . Seq (1>463) <- TACCCGCCAAAAGACAAGTCTTACAGAATCAAATGCAATTAACTGAGAGCTCGCT						
New 95-04-12- 07 . Seq (1>453) > TACCCGC-AAAAGACAAGTCTTACAGAATCAAATGCAATTAACTGAGAGCTCGCT						
New 95-04-12- 05 . Seq (1>475) > TACCCGC-AAAAGACAAGTCTTACAGAATCAAATGCAATTAACTGAGAGCTCGCT						

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FIGURE 12-6

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FIGURE 12-7

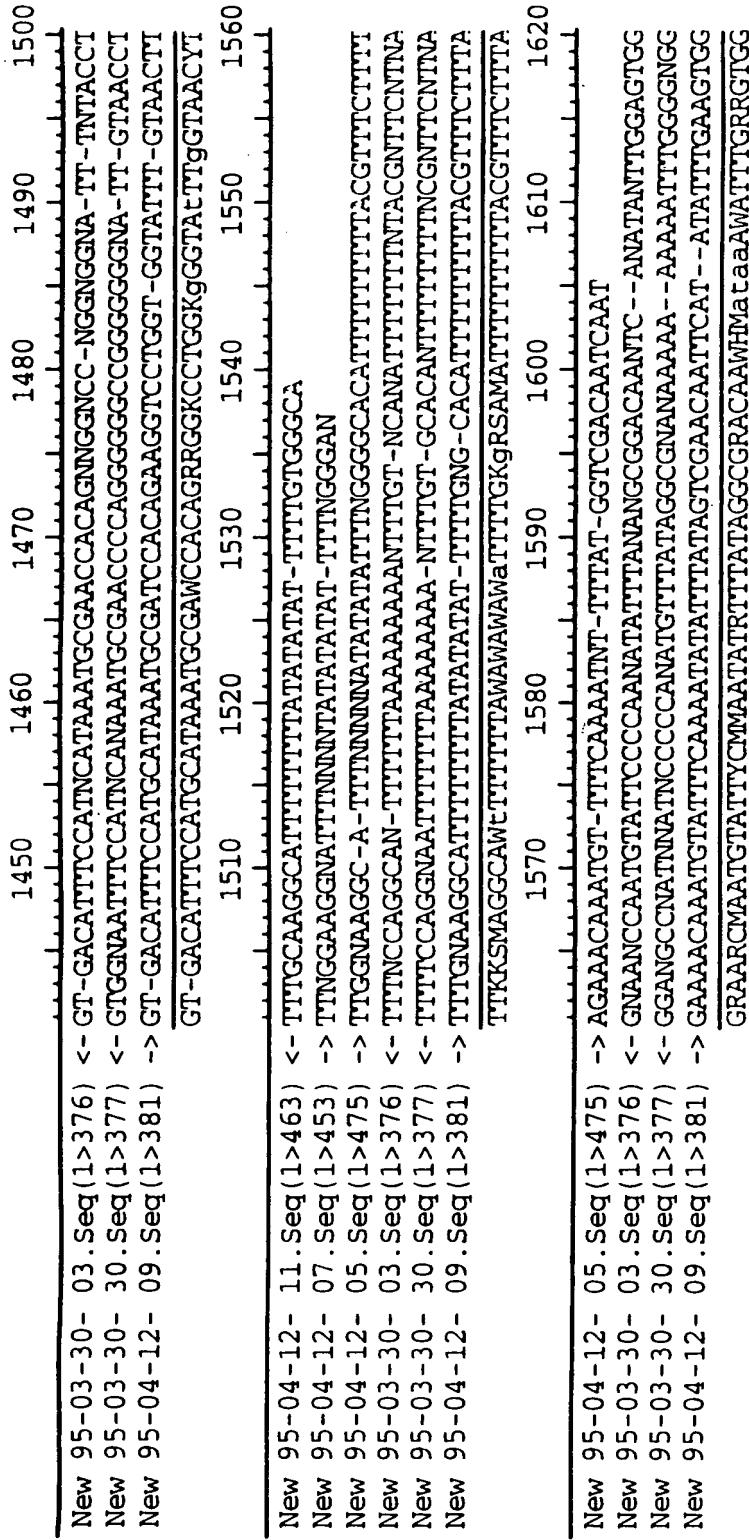


FIGURE 12-8

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		1630	1640	1650	1660	1670	1680
New	95-03-30-	03 .Seq (1>376)	<- ANCCAATGGATNTCAAGTAGTTAACNTCTCTANTATCCCCAACNGCTGGCCANTNTT				
New	95-03-30-	30 .Seq (1>377)	<- NGCCAANTGGATTCAAGAGNTAACCTCNANTATCCCCNCCNCNTGGCCATTNTT				
New	95-04-12-	09 .Seq (1>381)	> AGCCATATGAAUTGTCAGTAGTTAACCTCTTAAACTACTGGCAATTGTA AGCCAWATGRATKTCAGKGAGTTAWACYTCTAXTATCYCMAACYRCTGGCMATTKTW				
			1690	1700	1710	1720	1730
							1740
New	95-03-30-	03 .Seq (1>376)	<- NAGNAANAAAATGAAAAANGAATNTGGTTCAAGCNTTTCATNTTAAACCNCAAGTNGATI				
New	95-03-30-	30 .Seq (1>377)	<- AAGGNAAAATGAAAAANGAATNTGGTTTCAGCCTTTCATNTTAAACCNCAAGTNNATI				
New	95-04-12-	09 .Seq (1>381)	> AAGAAATAATATGATAATAAAATGTGATTGAGCTTTCAATGTTAGCCACAGTGATI AAGRAAWAWATGAWAAXRRATXTGRTTKCAGCYTTTCMATXTTARCCXAGTXKAWT				
			1750	1760	1770	1780	1790
							1800
New	95-03-30-	03 .Seq (1>376)	<- TTTTCACTTNTNCAAAATTNTACCCNATNTNACANTAAATNCCTANCAANAAATCN				
New	95-03-30-	30 .Seq (1>377)	<- TTTTCNCTTNNNCNNAAATTNNNNCCCATNTNGCNTTAATTCNNANCAAANAAATNCN				
New	95-04-12-	09 .Seq (1>381)	> TTTTCACTTGTACTAAAATTGTATAAAATGACATTATGCACTAGCAATAAAATGCT TTTCACTTXXCYAAAATTXTAYCMMATXTXRCATTAWATKCMCTAXCMAAAAAATKX RATTGTTTCATGGGTAA				
			1810				